Application No: 10573704   Version No: 1.0

Input Set:

Output Set:

Started:	2008-04-10 18:29:22.435
Finished:	2008-04-10 18:29:23.701
Elapsed:	0 hr(s) 0 min(s) 1 sec(s) 266 ms
Total Warnings:	21
Total Errors:	0
No. of SeqIDs Defined:	21
Actual SeqID Count:	21

Error code		Error Description
W	213	Artificial or Unknown found in <213> in SEQ ID (1)
W	213	Artificial or Unknown found in <213> in SEQ ID (2)
W	213	Artificial or Unknown found in <213> in SEQ ID (3)
W	213	Artificial or Unknown found in <213> in SEQ ID (4)
W	213	Artificial or Unknown found in <213> in SEQ ID (5)
W	213	Artificial or Unknown found in <213> in SEQ ID (6)
W	213	Artificial or Unknown found in <213> in SEQ ID (7)
W	213	Artificial or Unknown found in <213> in SEQ ID (8)
W	213	Artificial or Unknown found in <213> in SEQ ID (9)
W	213	Artificial or Unknown found in <213> in SEQ ID (10)
W	213	Artificial or Unknown found in <213> in SEQ ID (11)
W	213	Artificial or Unknown found in <213> in SEQ ID (12)
W	213	Artificial or Unknown found in <213> in SEQ ID (13)
W	213	Artificial or Unknown found in <213> in SEQ ID (14)
W	213	Artificial or Unknown found in <213> in SEQ ID (15)
W	213	Artificial or Unknown found in <213> in SEQ ID (16)
W	213	Artificial or Unknown found in <213> in SEQ ID (17)
W	213	Artificial or Unknown found in <213> in SEQ ID (18)
W	213	Artificial or Unknown found in <213> in SEQ ID (19)
W	213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started:	2008-04-10 18:29:22.435
Finished:	2008-04-10 18:29:23.701
Elapsed:	0 hr(s) 0 min(s) 1 sec(s) 266 ms
Total Warnings:	21
Total Errors:	0
No. of SeqIDs Defined:	21
Actual SeqID Count:	21

Error code   Error Description

This error has occured more than 20 times, will not be displayed

<110>   Fleury, Sylvain
        Girard, Marc
        Roger, Marie-Gaelle
        Mouz, Nicolas
        Serres, Pierre-Francois

<120>   New Soluble and Stabilized Trimeric Form of GP41 Polypeptides

<130>   122481

<140>   10573704
<141>   2008-04-10

<150>   PCT/IB2004/002433
<151>   2004-07-29

<150>   60/490,946
<151>   2003-07-30

<160>   21

<170>   PatentIn version 3.4

<210>   1
<211>   140
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic

<400>   1

Gln Ala Arg Gln Leu Leu Ser Gly Ile Val Gln Gln Gln Asn Asn Leu
1   5   10   15

Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val Trp
            20   25   30

Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu
        35   40   45

Lys Asp Gln Gln Leu Leu Gly Ile Trp Gly Cys Ser Gly Lys Leu Ile
    50   55   60

Cys Thr Thr Ala Val Pro Trp Asn Ala Ser Trp Ser Asn Lys Ser Leu
65   70   75   80

Glu Gln Ile Trp Asn Asn Met Thr Trp Met Glu Trp Asp Arg Glu Ile

Asn Asn Tyr Thr Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn
         100   105   110

Gln Gln Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala
        115   120   125

Ser Leu Trp Asn Trp Phe Asn Ile Thr Asn Trp Leu
    130   135   140

<210>   2
<211>   7
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic

<400>   2

Ser Gly Gly Arg Gly Gly Ser
1   5

<210>   3
<211>   23
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic

<400>   3

Gln Gln Gln Asn Asn Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu
1   5   10   15

Leu Gln Leu Thr Val Trp Gly
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<210>   4
<211>   30
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic

<400>   4

Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala
1   5   10   15

Val Glu Arg Tyr Leu Lys Asp Gln Gln Leu Leu Gly Ile Trp
            20   25   30

<210>   5
<211>   31
<212>   PRT
<213>   Artificial sequence

<220>
<223>   synthetic

<400>   5

Arg Tyr Leu Lys Asp Gln Gln Leu Leu Gly Ile Trp Gly Cys Ser Gly
1   5   10   15

Lys Leu Ile Cys Thr Thr Ala Val Pro Trp Asn Ala Ser Trp Ser
            20   25   30

<210>   6
<211>   36
<212>   PRT
<213>   Artificial sequence

<220>
<223>   Synthetic

<400>   6

Trp Asn Asn Met Thr Trp Met Glu Trp Asp Arg Glu Ile Asn Asn Tyr
1   5   10   15

Thr Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu
            20   25   30

Lys Asn Glu Gln
        35

<210>   7
<211>   390
<212>   DNA
<213>   Artificial sequence

<220>
<223>   Gp41

<400>   7

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attgaggcgc aacagcatct gttgcaactc acagtctggg gcatcaagca gctccaggca       120

agaatcctgg ctgtggaaag atacctaaag gatcaacagc tcctggggat tgacggtagc       180

agtggaggta gaggtggatc caatgctagt tggagtaata atctctgga acagatttgg        240

aatcacacga cctggatgga gtgggacaga gaaattaaca attacacaag cttaatacac       300

tccttaattg aagaatcgca aaaccagcaa gaaaagaatg aacaagaatt attggaatta       360

gatctcgagc accaccacca ccaccactga                                       390



<210>  8
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<212>  PRT
<213>  Artificial sequence

<220>
<223>  Gp41

<400>  8

Met Gln Ala Arg Gln Leu Leu Ser Gly Ile Val Gln Gln Gln Asn Asn
1               5                   10                  15


Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val
            20                  25                  30


Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr
        35                  40                  45


Leu Lys Asp Gln Gln Leu Leu Gly Ile Asp Gly Ser Ser Gly Gly Arg
    50                  55                  60


Gly Gly Ser Asn Ala Ser Trp Ser Asn Lys Ser Leu Glu Gln Ile Trp
65                  70                  75                  80


Asn His Thr Thr Trp Met Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr
                85                  90                  95


Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Lys
                100                 105                 110


Asn Glu Gln Glu Leu Leu Glu Leu Asp Leu Glu His His His His His
        115                 120                 125
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His

<210> 9
<211> 32
<212> DNA
<213> Artificial sequence

<220>
<223> Primer

<400> 9
ggaatccaca tatgcaggcc agacaattat tg   32

<210> 10
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 10
accgttggat ccacctctac ctccactgct accgtcaatc cccaggagvt gttgatc   57

<210> 11
<211> 44
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 11
ggaatccagg atccaatgct agttggagta ataaatctct ggaa   44

<210> 12
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 12
gcccggctcg agatctaatt ccaataattc ttgttcattc ttttc   45

<210> 13
<211> 411
<212> DNA
<213> Artificial Sequence

<220>
<223> GP41

<400> 13
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attgaggcgc aacagcatct gttgcaactc acagtctggg gcatcaagca gctccaggca   120

agaatcctgg ctgtggaaag atacctaaag gatcaacagc tcctggggat ttggggtagc   180

tctggaaaac tcattagcac cactgctgtg ccttggaatg ctagttggag taataaatct   240

ctggaacaga tttggaatca cacgacctgg atggagtggg acagagaaat taacaattac   300

acaagcttaa tacactcctt aattgaagaa tcgcaaaacc agcaagaaaa gaatgaacaa   360

gaattattgg aattagataa atgggcaagt ttgtggaatt ggtttaacat a   411

<210> 14
<211> 137
<212> PRT
<213> Artificial Sequence

<220>
<223> GP41

<400> 14

Met Gln Ala Arg Gln Leu Leu Ser Gly Ile Val Gln Gln Gln Asn Asn
1   5   10   15

Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val
            20   25   30

Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr
        35   40   45

Leu Lys Asp Gln Gln Leu Leu Gly Ile Trp Gly Ser Ser Gly Lys Leu
    50   55   60

Ile Ser Thr Thr Ala Val Pro Trp Asn Ala Ser Trp Ser Asn Lys Ser
65   70   75   80

Leu Glu Gln Ile Trp Asn His Thr Thr Trp Met Glu Trp Asp Arg Glu
                85   90   95

Ile Asn Asn Tyr Thr Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln
            100   105   110

Asn Gln Gln Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp
        115   120   125

Ala Ser Leu Trp Asn Trp Phe Asn Ile
    130   135

<210> 15
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 15

Cys Ser Gly Lys Leu Ile Cys Thr Thr Ala Val Pro Trp
1   5   10

<210> 16
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 16

Leu Gly Ile Trp Gly Cys Ser Gly Lys Leu Ile Cys Thr Thr Ala Val
1   5   10   15

Pro Trp Asn Ala Ser Trp Ser Asn Lys
            20   25

<210> 17
<211> 130
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic

<400> 17

Met Gln Ala Arg Gln Leu Leu Ser Gly Ile Val Gln Gln Gln Asn Asn
1   5   10   15

Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val
            20   25   30

Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr
        35   40   45

Leu Lys Asp Gln Gln Leu Ser Gly Gly Arg Gly Gly Ser Ser Leu Glu
    50   55   60

Gln Ile Trp Asn His Thr Thr Trp Met Glu Trp Asp Arg Glu Ile Asn
65   70   75   80

Asn Tyr Thr Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn Gln
                85   90   95

Gln Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser
            100   105   110

Leu Trp Asn Trp Phe Asn Ile Thr Asn Trp Leu Asp His His His His
        115   120   125

His His
    130

<210>   18
<211>   128
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic

<400>   18

Met Gln Ala Arg Gln Leu Leu Ser Gly Ile Val Gln Gln Gln Asn Asn
1   5   10   15

Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val
            20   25   30

Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr
        35   40   45

Leu Lys Asp Gln Gln Leu Ser Gly Gly Arg Gly Gly Ser Ser Leu Glu
    50   55   60

Gln Ile Trp Asn His Thr Thr Trp Met Glu Trp Asp Arg Glu Ile Asn
65   70   75   80

Asn Tyr Thr Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn Gln
                85   90   95

Gln Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser
                100   105   110

Leu Trp Asn Trp Phe Asn Ile Thr Asn Asp His His His His His His
        115   120   125

<210>   19
<211>   136
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic

<400>   19

Met Gln Ala Arg Gln Leu Leu Ser Gly Ile Val Gln Gln Gln Asn Asn
1   5   10   15

Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val
                20   25   30

Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr
        35   40   45

Leu Lys Asp Gln Gln Leu Leu Gly Ile Trp Gly Ser Ser Gly Gly Arg
    50   55   60

Gly Gly Ser Ser Leu Glu Gln Ile Trp Asn His Thr Thr Trp Met Glu
65   70   75   80

Trp Asp Arg Glu Ile Asn Asn Tyr Thr Ser Leu Ile His Ser Leu Ile
                85   90   95

Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu Leu Leu Glu
                100   105   110

Leu Asp Lys Trp Ala Ser Leu Trp Asn Trp Phe Asn Ile Thr Asn Trp
        115   120   125

Leu Asp His His His His His His

<210>   20
<211>   134
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic

<400>   20

Met Gln Ala Arg Gln Leu Leu Ser Gly Ile Val Gln Gln Gln Asn Asn
1   5   10   15

Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val
            20   25   30

Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr
        35   40   45

Leu Lys Asp Gln Gln Leu Leu Gly Ile Trp Gly Ser Ser Gly Gly Arg
    50   55   60

Gly Gly Ser Ser Leu Glu Gln Ile Trp Asn His Thr Thr Trp Met Glu
65   70   75   80

Trp Asp Arg Glu Ile Asn Asn Tyr Thr Ser Leu Ile His Ser Leu Ile
                85   90   95

Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu Leu Leu Glu
            100   105   110

Leu Asp Lys Trp Ala Ser Leu Trp Asn Trp Phe Asn Ile Thr Asn Asp
        115   120   125

His His His His His His
    130

<210>   21
<211>   115
<212>   PRT
<213>   Artificial Sequence

<220>
<223>   Synthetic

<400> 21

Met Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu Thr
1   5   10   15

Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Ile Leu Ala Val Glu Arg
                20   25   30

Tyr Leu Lys Asp Gln Gln Leu Ser Gly Gly Arg Gly Gly Ser Ser Leu
        35   40   45

Glu Gln Ile Trp Asn His Thr Thr Trp Met Glu Trp Asp Arg Glu Ile
        50   55   60

Asn Asn Tyr Thr Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn
65   70   75   80

Gln Gln Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala
                85   90   95

Ser Leu Trp Asn Trp Phe Asn Ile Thr Asn Trp Leu Asp His His His
                100   105   110

His His His
        115